

CURTIS MODEL A AIR COMPRESSORS

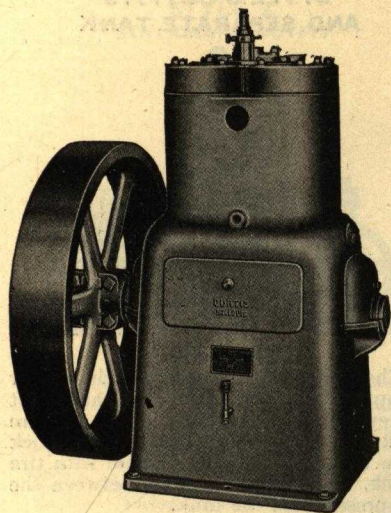
TWO CYLINDER
SIX SIZES

Fig. 6425A

Curtis compressors are single-acting, single-stage, fully enclosed, dustproof and have a new system of controlled-splash lubrication. There are no crossheads, slides nor guides to create friction, require oil and attention or to increase the number of parts and, therefore, the chance for breakdown. The maintenance is, therefore, reduced to a minimum.

The crank shaft does not dip into the oil, but two knife-blade throwers pick up just the right amount of oil for proper lubrication, throw it on to distributing ribs, from where it is led just where it ought to go. The oil that is diverted to the cylinder passes through a sight-feed device which is also regulatable so that the amount of lubrication can be increased or decreased at will. A high and low level oil gauge is furnished, showing the exact level of the oil at all times.

Compressor being single-acting and of the long trunk piston type, has a much larger cylinder cooling area than a double-acting compressor of equal capacity, at least 80 per cent, and this, together with the fact that the heads are water-cooled and because of the large valve area and the thin, light vanadium steel valve discs, make the Curtis Compressor the most efficient machine of its capacity.

The valves can be inspected without removing the heads or breaking a pipe connection. The heads can be removed without breaking pipe connections and on double cylinder compressors can be removed independently of each other.

An air pressure unloader can be furnished, acting directly on the suction valves, unloading the compressor at maximum pressure and reloading it at minimum by unseating and seating the suction valves so that when the compressor is running unloaded, it is not pumping air, therefore, only using sufficient power to overcome the internal friction of the machine, which is reduced to the minimum by the absence of slides, guides, stuffing boxes, etc., and by reason of the large and generous bearing sizes.

Crank shaft and connecting rod are of steel; bearings lined with modern, non-acting, anti-friction metal. Being vertical, the compressors require minimum amount of floor space. Being fully enclosed, they can be used in places where other machines could not successfully operate, for instance, marble yard installations, etc., where the dust and dirt are very injurious to the bearings and exposed working parts. Crank case base is large, has wide bearing flanges and heavy foundation is not required. In many installations our compressors are operating, simply bolted to a wooden floor.

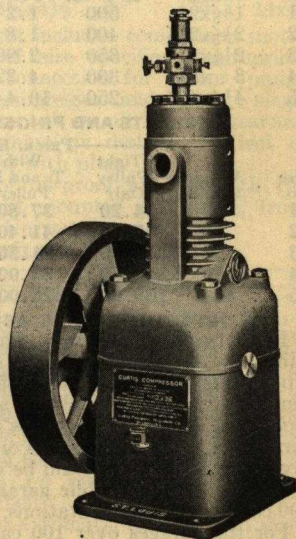
SINGLE CYLINDER
TWO SIZES

Fig. 6425B

CURTIS GARAGE AIR COMPRESSORS

AIR FREE FROM OIL
1920 REVISION

SELF-CONTAINED OUTFIT

EXTERIOR

SECTIONAL

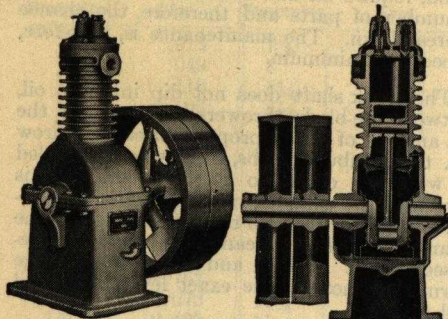


Fig. 26687A

This is an enclosed-splash oil machine in which only enough oil is permitted to reach the cylinder to properly lubricate it without any excess carried over in the discharge line.

Fan flywheel assists in cooling. Valves of light weight and large area. Valves will not drop into cylinder and wreck machine.

Size No.	Size Compressor Inches	Min. Speed R. P. M.	Cap. Cubic Feet	Size Pulley Inches
1	1 7/8x2	500	1.2	9x1 3/4
2	2 1/8x2 1/2	400	1.8	11x2 1/8
3	2 1/2x3	350	2.99	12x2 1/8
4	3 x3 1/2	300	4.32	14x2 5/8
5	4 1/2x4 1/2	250	10.4	22x4 1/2

WEIGHTS AND PRICES

Size No.	Weight Pounds	PRICE, EACH		
		Tight Pulley Only	With T. and L. Pulley	Aut. Un-loader
1	50	34.20	37.80	
2	80	37.80	41.40	16.20
3	100	47.70	51.30	16.20
4	150	50.40	54.00	16.20
5	405	108.00	126.00	19.80

FOR DETERMINING SUITABLE SIZE

For garages up to 15 cars, small vulcanizing plants or small supply stores, use No. 1. For garages of 15 to 35 cars, medium size vulcanizing plants and supply stores, use No. 2. For garages of 35 to 60 cars, large vulcanizing plants or large supply stores the No. 3 should be used.

For the average public garage of 60 to 100 cars, or for service stations, use No. 4.

For the garages over 100 cars or very large service stations, use No. 5.

STYLE S OUTFITS AND SEPARATE TANK

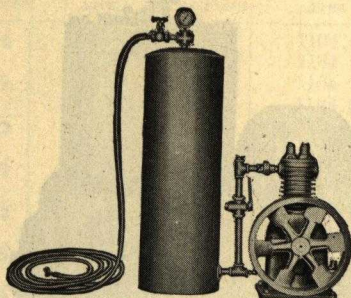


Fig. 26687B

The S outfits are complete, including air compressor with hand unloader and tight pulley only; also welded steel pressure tank, air gauge, drain cock, outlet cock from tank, with 20 feet of hose with tire chuck, and piping complete between the compressor and the tank.

Style No.	Size and Compressor Inches	Size Tank Inches	Capacity Gallons	Price Each Complete	Extra loose Pulley
S-1	1 5/8x2	12x36	17.2	76.60	3.60
S-2	2 1/8x2 1/2	12x36	17.2	82.30	3.60
S-3	2 1/2x3	14x48	32.1	109.20	3.60
S-4	3 x3 1/2	16x60	52.5	117.90	3.60
S-5	4 1/2x4 1/2	20x60	82.5	201.00	18.00

*STEEL AIR TANKS ONLY

Size Tank Inches	Weight Pounds	FOR 150 POUNDS **AIR PRESSURE	
		Price Each	Aut. Un-loader
12x36	60	23.40	
14x48	77	27.00	
16x60	117	39.60	
20x60	176	57.60	

EXTRA FITTINGS

Size Tank Inches	Piping between Compressor and Tank	Outlet Cock	Piping for Aut. Un-loader	Aut. Air Un-loader
12x36	3.60	2.70	3.60	16.20
14x48	5.40	3.15	3.60	16.20
16x60	5.40	3.15	3.60	16.20
20x60	7.20	5.40	3.60	19.80

*Include gauge pop valve and drain cock.

**Hydro test, 220 pounds.

***Hydro test, 375 pounds.

CURTIS GARAGE AIR COMPRESSORS

AIR FREE FROM OIL

1920 REVISION

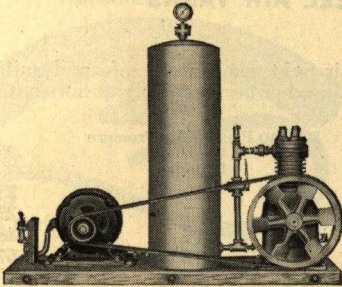
STYLE Z
STATIONARY OUTFIT

Fig. 26686A

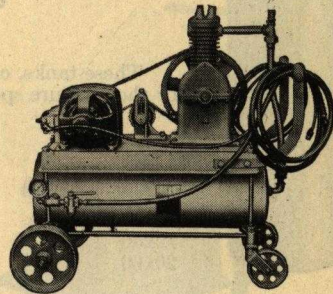
STYLE X
PORTABLE OUTFIT

Fig. 26686B

This type, being self-contained, has the advantage over the separate mounting type in that it can be moved from place to place without disturbing connections.

Style and No.	Size Compressor Inches	H. P. of Motor	Max. Pressure Pounds	Size Tank Inches
Z-1-A	1 $\frac{5}{8}$ x2	$\frac{1}{4}$	150	12x36
Z-2-A	2 $\frac{1}{8}$ x2 $\frac{1}{2}$	$\frac{1}{2}$	150	12x36
Z-3-A	2 $\frac{1}{2}$ x3	$\frac{3}{4}$	150	14x48
Z-4-A	3 x3 $\frac{1}{2}$	1	150	14x48
Z-4-B	3 x3 $\frac{1}{2}$	1	150	16x60
Z-5	4 $\frac{1}{2}$ x4 $\frac{1}{2}$	3	150	16x60
Z-5-A	4 $\frac{1}{2}$ x4 $\frac{1}{2}$	3	150	20x60

Price includes compressor, tank and motor of size specified, appropriate switch or connection for motor, piping between compressor and tank, including shut-off cock, air gauge, pop safety valve and drain cock, single leather drive belt, mounted on oak base, as shown in illustration.

BELTED ONLY

Style and No.	No Motor Belt or Pulley	PRICE EACH— COMPLETE WITH MOTOR—			
		D. C. 110-20	A. C. 60-cyc. S-ph.	A. C. 60-cyc. 2 or 3-ph.	
			110-220	110-220	
Z-1-A	77.40	114.00	172.80	172.80	
Z-2-A	86.40	194.40	212.40	194.40	
Z-3-A	99.00	216.00	271.80	221.40	
Z-4-A	102.60	252.00	282.60	232.20	
Z-4-B	115.20	264.60	295.20	244.80	
Z-5	169.20	468.00	507.60	361.80	
Z-5-A	187.20	486.00	525.60	379.80	

Extra for automatic starting and stopping device: Nos. 1 and 2 outfits, 40.00; Nos. 3 and 4 outfits, 75.00; No. 5 outfit, 90.00.

The portable outfits complete with tank, offer the advantage of storage in addition to portability.

Has controlled splash oiling system and furnished either belted or geared.

Style and No.	Size Compressor Inches	H. P. of Motor	Max. Pressure Pounds	Size Tank Inches
X-1-A	1 $\frac{5}{8}$ x2	$\frac{1}{4}$	150	12x36
X-2-A	2 $\frac{1}{8}$ x2 $\frac{1}{2}$	$\frac{1}{2}$	150	12x36
X-3-A	2 $\frac{1}{2}$ x3	$\frac{3}{4}$	150	12x36
X-4	3 x3 $\frac{1}{2}$	1	150	12x36
X-5	4 $\frac{1}{2}$ x4 $\frac{1}{2}$	3	150	14x48

This outfit includes compressor, motor and tank of size specified, appropriate switch or connection for motor, piping between compressor and tank; single leather drive belt or cut flywheel gear and rawhide pinion as desired; 20 feet of electric cord with plug.

15 feet of oil-proof air hose with tire chuck; outfit mounted on wheels, front pair being Universal castor type.

BELTED OR GEARED

Style and No.	No. *Motor	PRICE, EACH— COMPLETE WITH MOTOR—			
		D. C. 110-220	A. C. 60 Cyc. S-ph.	A. C. 60 Cyc. 2 or 3-ph.	
			110-220	110-220	
X-1-A	118.80	190.80	210.60	210.60	
X-2-A	131.40	232.20	250.20	232.20	
X-3-A	140.40	248.40	304.20	271.80	
X-4	147.60	306.00	336.60	286.20	
X-5	264.60	513.00	552.60	430.20	

*Indicates no motor, no starter, no pinion, no belt.

Extra for automatic starting and stopping device, Nos. 1 and 2, 40.00; Nos. 3 and 4, 75.00; No. 5, 90.00.

AIR TANKS, GAUGES AND FITTINGS



CURTIS STEEL AIR TANKS

These tanks, commercially air-tight, guaranteed safe and suitable for the pressure specified, can be used either vertically or horizontally.

Size of Tank Inches	Capacity Gallons	For 150 Pounds Air Pressure Weight Pounds	Price Each
12x36	17.2	60	23.40
14x48	32.1	77	27.00
16x60	52.5	117	39.60
20x60	82.5	176	57.60

No. 4 PUMP GAUGES

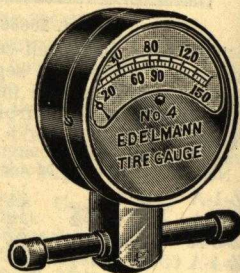
A well known gauge intended for use principally in connection with tire pumps.

The gauge is $1\frac{1}{2}$ inches in diameter, nickel-plated and polished, and has a T connection. It fits into the standard $\frac{3}{8}$ -inch pump hose.

Usually furnished with dial reading from 0 to 150 pounds. It can also be furnished reading from 0 to 120 pounds.

Weight, 3 ounces.

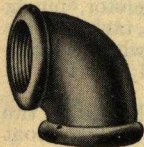
Price, Complete.....each 1.25



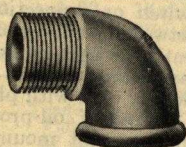
PIPE FITTINGS

FOR CONNECTING COMPRESSOR TO TANK

ELBOW



STREET ELBOW



TEE



CLOSE NIPPLE



ELBOWS

Size.....	inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$
Price.....	each	.07	.08	.10	.15

STREET ELBOWS

Size.....	inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$
Price.....	each	.10	.10	.12	.20

TEES

Size.....	inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$
Price.....	each	.08	.09	.11	.15

CLOSE NIPPLES

Size.....	inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$
Price.....	each	.04	.04	.05	.06

UNIONS

Size.....	inches	$\frac{1}{4}$	$\frac{3}{8}$	$\frac{1}{2}$	$\frac{3}{4}$
Price.....	each	.18	.20	.22	.27